Dear Physics 1C class,

Welcome to Physics 1C. This is a fun class and holds a lot of “payoff” for things you learned in physics 1A & 1B. We will finally get to the full Maxwell’s equations and finding that electromagnetism leads to light waves. We will cover a range of items, from the very practical such as optics and circuits, to the very exciting such as special relativity. It is my favorite lower-division class.

The required text is Young and Friedman, University Physics (14th edition) along with its (recommended) software Mastering Physics. Many of you may already have these from 1B or 1A. That edition of the book has been around a while so if you don’t already have it, you should be able to find it used for a reasonable price or rent it for the quarter. (Older editions are fine, except the assigned problems will not be the same, which you can make up for by having the Mastering Physics software. But you’ll need at least one or the other.) Stay tuned for more information about renting the software.

We will use a number of webpages/software:

1) The course webpage is on CCLE and will have all documents. 
https://ccle.ucla.edu/course/view/19F-PHYSICS1C-4?section=0

Please click on the “Syllabus” link for more information.

2) You can optionally use “MasteringPhysics”
The course key for Mastering Physics is “MPSALTZBERG5763431” and the URL is at http://www.pearsonmylabandmastering.com/northamerica/masteringphysics/

You are not *required* to have Mastering Physics (MP), because I will post the question numbers from the book on CCLE as well along with answers to the even numbered problems. (Answers for odds are already in the back of the book.) However, in the past, students have liked the MP software for its hints, feedback, and supplementary material. The homework is for your learning, and is not graded. Instead we will have “homework quizzes” in class, with a problem straight from the homework (but with different numbers) each week as a spot-check that students did the homework and are keeping up. There will still be a nominal “due date” with solutions posted a couple of days before the quiz.

3) Grades will be posted online. Please periodically check for errors.

Other information:

The syllabus is uploaded to CCLE. Other materials such as solutions to homeworks will be eventually posted there as well.
Under the “assignments” tab on MasteringPhysics, you should soon see the first assignment, although I would not recommend starting it yet. The system will ask you to enter your UID. Please give it a try and let me know if you have any problems.

If you are new to MasteringPhysics (which should be a rare case but may apply to a few incoming students) then please give the pseudo-assignment “Introduction to MasteringPhysics” a try and let me know if you have a problem.

Because MasteringPhysics has a library of nice tutorials etc. that you can only see if I put them into an assignment, for each week you will see an “Optional” assignment that I created with that material.

My understanding is that those of you who took 1B followed the material up through chapter 26 of your book by Young & Freedman so we will start with chapter 27, the introduction to magnetism.

This course covers the same material, albeit with a different flavor, as the one taught this quarter by Prof. Corbin. The courses are completely independent administratively.

Discussions sections will start the first full week, that is on Oct 3 and 4. There are not discussion sections on Sept 26 and 27.

I hope you enjoy the rest of your summer and I look forward to starting up on September 26.

Your Prof.
David Saltzberg